

## Freeform Search

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Term:

L10 with L9

Display:  Documents in Display Format:  Starting with Number Generate: ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

Search

Clear

Interrupt

### Search History

DATE: Thursday, March 18, 2004 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ

<u>L11</u>	L10 with L9	19	<u>L11</u>
<u>L10</u>	plasmid or double stranded or duplex	145798	<u>L10</u>
<u>L9</u>	L8 with L7	128	<u>L9</u>
<u>L8</u>	camptothecin or \$camptothecin	3026	<u>L8</u>
<u>L7</u>	L6 with L3	134	<u>L7</u>
<u>L6</u>	L5 with L4	86034	<u>L6</u>
<u>L5</u>	dna or polynucleotide or oligo or oligonucleotide or nucleic	252367	<u>L5</u>
<u>L4</u>	plasmid or double stranded or ds	5845819	<u>L4</u>
<u>L3</u>	Camptothecin or CPT	6055	<u>L3</u>
<u>L2</u>	5583034	32	<u>L2</u>
<u>L1</u>	5583064	19	<u>L1</u>

END OF SEARCH HISTORY

[First Hit](#)   [Fwd Refs](#)

Generate Collection

Print

L11: Entry 15 of 19

File: USPT

Sep 28, 1999

DOCUMENT-IDENTIFIER: US 5958947 A

TITLE: DNA-affinic hypoxia selective cytotoxins

Detailed Description Text (134):

In particular, a Topo I drug screening kit (TopoGEN, Inc., Columbus, Ohio) was used to assay the topoisomerase I THNLA-1 interaction. The tests were performed in a 20 .mu.l (final volume) solution containing: water, assay buffer (10 mM Tris.HCl pH 7.5, 1 mM EDTA, 100 mM NaCl), 0.75 .mu.g of supercoiled plasmid DNA, 6 units of calf thymus Topo I (in 50 mM Tris.HCl, pH 7.55, 0.7 M (molar) NaCl, 0.5 mM EDTA, 0.5 mM dithiothreitol, 10% glycerol) and various concentrations of THNLA-1 or 100 .mu.M camptothecin for comparison. Camptothecin is a Topoisomerase I poison used as an anticancer drug. Camptothecin stabilizes the Topo I-DNA cleavable complex, and therefore prevents the resealing of DNA by Topo-I.